

ASSAY FOR KINASES AND PHOSPHATASES

ABSTRACT OF THE DISCLOSURE

Disclosed is a method and corresponding kit for assaying the presence, activity, or both, of an enzyme classified within an enzyme classification selected from the group consisting of EC 2.7.1, EC 3.1.3, and EC 3.1.4. The method generally includes the steps of reacting an enzyme with a substrate for a time sufficient to yield phosphorylated or dephosphorylated product; contacting the product with a binding matrix, whereby product is adhered to the matrix; and then analyzing the matrix for presence of, amount of, or both the presence and the amount of the product fixed to the matrix, whereby the presence, the activity, or both the presence and activity of the enzyme can be determined.